

# Texas Legislative and Irrigation Districts of the Rio Grande River Basin: *A Map Series*



By  
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Rio Grande Basin Initiative  
Irrigation Technology Center  
Texas AgriLife Extension Service

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### U.S. House (110<sup>th</sup> Congress) and Irrigation Districts (2007-2009)

- 1) Lower Rio Grande Basin
- 2) Middle Rio Grande Basin
- 3) Upper Rio Grande Basin

### Texas Senate and Legislative District (2003-2012)

- 1) Lower Rio Grande Basin
- 2) Middle Rio Grande Basin
- 3) Upper Rio Grande Basin

### Texas House and Legislative District (2003-2012)

- 1) Lower Rio Grande Basin
- 2) Middle Rio Grande Basin
- 3) Upper Rio Grande Basin

## About this Map Series

The title of this map series is ***Texas Legislative and Irrigation Districts of the Rio Grande River Basin***. The series consists of nine (9) maps showing the boundaries of legislative districts and 32 water districts that deliver irrigation water. County boundaries are also shown on the maps.

These “irrigation” districts include irrigation, water control, water improvement, conservation and reclamation, and municipal utility districts. The official names of the 32 irrigation districts included on the maps are given in Table 1 along with the corresponding abbreviations used for the maps.

For the Lower and Middle Rio Grande Regions, all irrigation districts shown hold Texas Class A water rights which total 1,556,959 ac-ft (Table 2). Based on water rights, the districts vary greatly in size, with the smallest active district having 1,120 ac-ft and the largest district 177,151 ac-ft. Actual water allocations in any given year depend on the amount of water stored in Amistad and Falcon Reservoirs.

In the Upper Rio Grande Basin, El Paso County Water Improvement District No.1 is allocated water according to the Rio Grande Compact. The District receives 388,000 ac-ft (“full allocation”) or 43% of the available water supply in Elephant Butt and Caballo Reservoirs, whichever is less. Hudspeth County Conservation & Reclamation District No.1 has Texas Class B water rights and, therefore is authorized to use water available downstream of El Paso.

## References and Sources of Information

The GIS shape files of legislative districts were obtained from the U.S. Census Bureau ([http://www.census.gov/geo/www/cob/bdy\\_files.html](http://www.census.gov/geo/www/cob/bdy_files.html)), as follows:

- Texas House Districts 2003-2012 (Plan 01369H)
- Texas Senate Districts 2003-2012 (Plan 01188S)
- 110<sup>th</sup> U.S. Congressional Districts 2007-2009 (Plan 01440C)

The authorized Class A water rights of the irrigation districts in the Lower and Middle Rio Grande Regions were provided by the Rio Grande Water Masters office, Texas Commission on Environmental Quality, Austin, Texas.

GIS datasets and shape files of the irrigation district boundaries and other features were developed by our team, the IDEA (Irrigation District Engineering and Assistance) Team, Irrigation Technology Center, Biological and Agricultural Engineering, Texas AgriLife Extension Service, Texas A&M System as a part of the following projects:

- Integrated Water Resources Planning Project
- Region M Water Planning Project
- Region M Water Planning Project Updated
- Rio Grande Basin Initiative

See <http://idea.tamu.edu> for details.

## **Acknowledgements**

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## **Rio Grande Basin Initiative**

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Table 1: Official Names and Abbreviations for Irrigation Districts in the Rio Grande Basin of Texas

Official Name	Abbreviated Name
<b>Lower Rio Grande Basin</b>	
Adams Garden Irrigation District No.19	Adams Garden
Bayview Irrigation District No.11	Bayview
Brownsville Irrigation District	Brownsville
Cameron County Water Improvement District No.16	CCWID16
Cameron County Irrigation District No.2	CCID2
Cameron County Irrigation District No.6	CCID6
Cameron County Water Improvement District No.10	CCWID10
Delta Lake Irrigation District	Delta Lake
Donna Irrigation District-Hidalgo County No.1	Donna
Engelman Irrigation District	Engelman
Harlingen Irrigation District-Cameron County No.1	Harlingen
Hidalgo and Cameron County Irrigation District No.9	HCCID9
Hidalgo County Irrigation District No.1	HCID1
Hidalgo County Irrigation District No.13	HCID13
Hidalgo County Irrigation District No.16	HCID16
Hidalgo County Irrigation District No.19	HCID19
Hidalgo County Water Control and Improvement District No.18	HCWID18
Hidalgo County Irrigation District No.2	HCID2
Hidalgo County Water Improvement District No.5	HCWID5
Hidalgo County Irrigation District No.6	HCID6
Hidalgo County Municipal Utility District No.1	HCMUD1
Hidalgo County Water Improvement District No.3	HCWID3
La Feria Irrigation District-Cameron County No.3	La Feria
Santa Cruz Irrigation District No.15	Santa Cruz
Santa Maria Irrigation District-Cameron County No.4	Santa Maria
United Irrigation District of Hidalgo County	United
Valley Acres Water District	Valley Acres
Valley Municipal Utility District No.2	VMUD2
<b>Middle Rio Grande Basin</b>	
Maverick County Water Control & Improvement District No.1	Maverick
Presidio County Water Improvement District No.1	Presidio
<b>Upper Rio Grande Basin</b>	
El Paso County Water Improvement District No.1	El Paso
Hudspeth County Conservation & Reclamation District No.1	Hudspeth

Table 2: Texas Class 'A' Water Rights of Irrigation Districts in the Rio Grande Basin

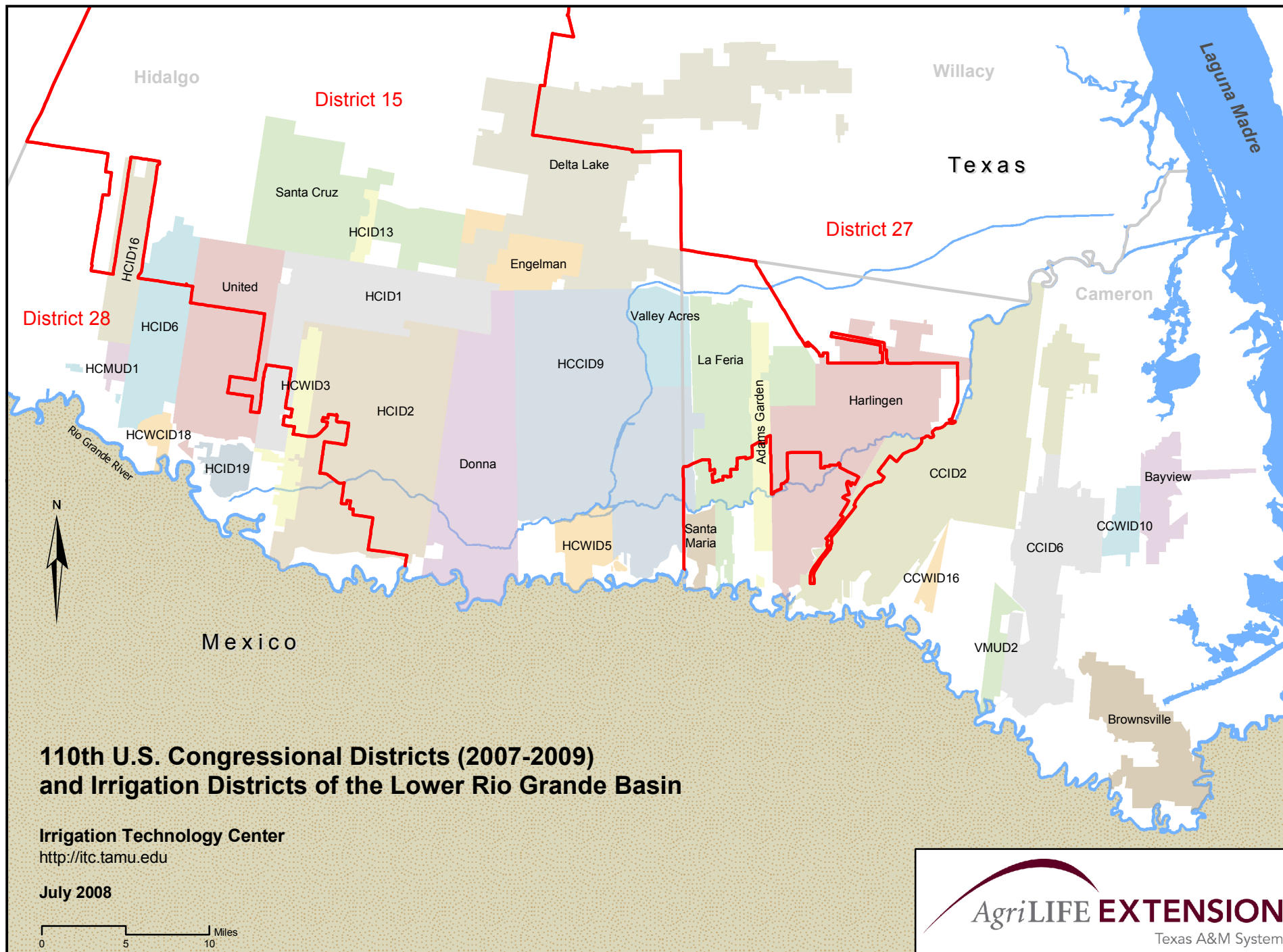
<b>District</b>	<b>Class A Water Right (Acre-Feet)</b>
<b>Lower Rio Grande Basin</b>	
Adams Garden Irrigation District No.19	18,738
Bayview Irrigation District No.11	16,978
Brownsville Irrigation District	33,949
Cameron County Water Improvement District No.16	3,713
Cameron County Irrigation District No.2	147,824
Cameron County Irrigation District No.6	52,142
Cameron County Water Improvement District No.10	8,488
Delta Lake Irrigation District	174,776
Donna Irrigation District-Hidalgo County No.1	94,064
Engelman Irrigation District	20,044
Harlingen Irrigation District-Cameron County No.1	98,233
Hidalgo and Cameron County Irrigation District No.9	177,152
Hidalgo County Irrigation District No.1	85,615
Hidalgo County Irrigation District No.13	4,857
Hidalgo County Irrigation District No.16	30,749
Hidalgo County Irrigation District No.19	9,048
Hidalgo County Water Control and Improvement District No.18	5,318
Hidalgo County Irrigation District No.2	137,675
Hidalgo County Water Improvement District No.5	14,235
Hidalgo County Irrigation District No.6	34,913
Hidalgo County Municipal Utility District No.1	1,120
Hidalgo County Water Improvement District No.3	9,753
La Feria Irrigation District-Cameron County No.3	75,626
Santa Cruz Irrigation District No.15	75,080
Santa Maria Irrigation District-Cameron County No.4	10,183
United Irrigation District of Hidalgo County	57,374
Valley Acres Water District	16,124
Valley Municipal Utility District No.2	5,511
<b>Middle Rio Grande Basin</b>	
Maverick County Water Control & Improvement District No.1	134,900
Presidio County Water Improvement District No.1	2,780
<b>Upper Rio Grande Basin</b>	
El Paso County Water Improvement District No.1	388,000**

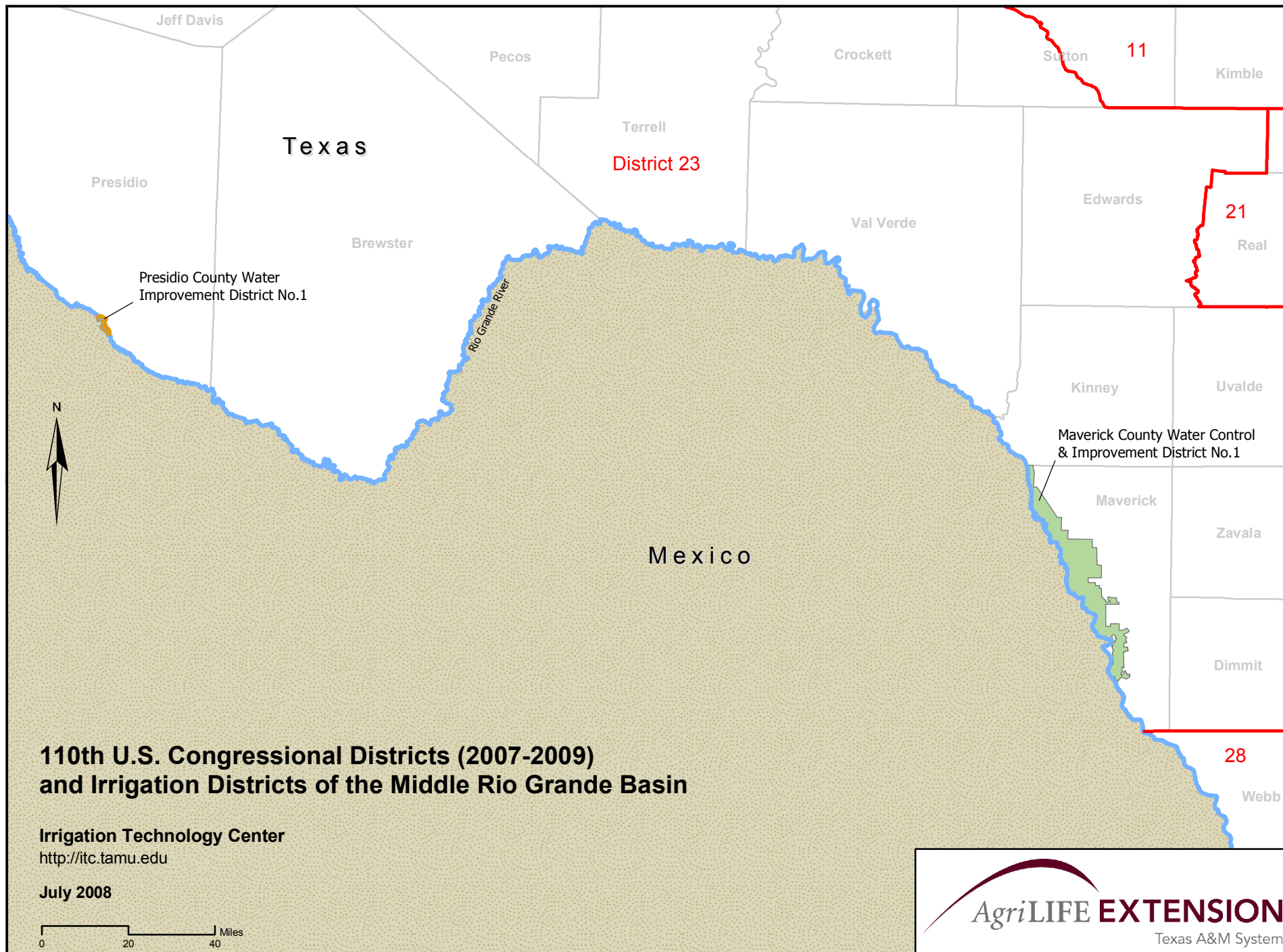
\*\* Full Allocation, Rio Grande Compact

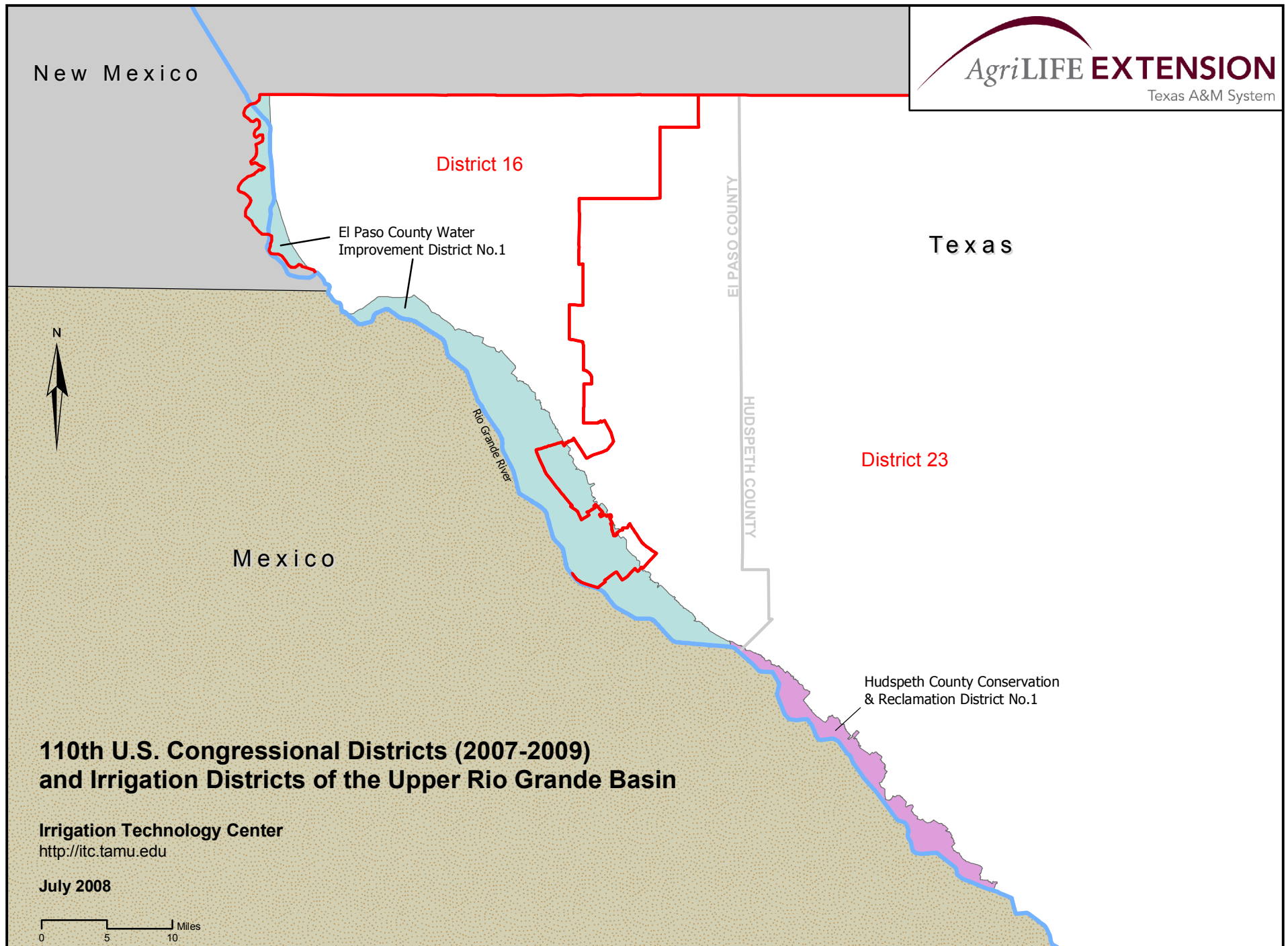
Table 3. Legislative Districts Listed by Irrigation Districts			
District	TX House	TX Senate	U.S. House
<b>Lower Rio Grande Basin</b>			
Adams Garden Irrigation District No.19	38, 43	27	15, 27
Bayview Irrigation District No.11	37	27	27
Brownsville Irrigation District	37, 38	27	27
Cameron County Water Improvement District No.16	38	27	27
Cameron County Irrigation District No.2	38, 43	27	15, 27
Cameron County Irrigation District No.6	37, 38, 43	27	27
Cameron County Water Improvement District No.10	37	27	27
Delta Lake Irrigation District	40, 43	20, 27	15, 27
Donna Irrigation District-Hidalgo County No.1	39, 40	27	15
Engelman Irrigation District	40	20, 27	15
Harlingen Irrigation District-Cameron County No.1	38, 43	27	15, 27
Hidalgo and Cameron County Irrigation District No.9	39, 40, 43	27	15, 27
Hidalgo County Irrigation District No.1	36, 40, 41	20, 27	15, 28
Hidalgo County Irrigation District No.13	40	20	15
Hidalgo County Irrigation District No.16	36, 41	20	15, 28
Hidalgo County Irrigation District No.19	36	20	28
Hidalgo County Water Control and Improvement District No.18	36	20	28
Hidalgo County Irrigation District No.2	36, 39, 40, 41	20, 27	15, 28
Hidalgo County Water Improvement District No.5	39	27	15
Hidalgo County Irrigation District No.6	36, 40, 41	20	15, 28
Hidalgo County Municipal Utility District No.1	36	20	28
Hidalgo County Water Improvement District No.3	36, 41	20, 27	15, 28
La Feria Irrigation District-Cameron County No.3	38, 43	27	15, 27
Santa Cruz Irrigation District No.15	40	20	15
Santa Maria Irrigation District-Cameron County No.4	38	27	27
United Irrigation District of Hidalgo County	36, 40, 41	20	15, 28
Valley Acres Water District	40, 43	27	15
Valley Municipal Utility District No.2	38	27	27
<b>Middle Rio Grande Basin</b>			
Maverick County Water Control & Improvement District No.1	80	19	23
Presidio County Water Improvement District No.1	74	19	23
<b>Upper Rio Grande Basin</b>			
El Paso County Water Improvement District No.1	75, 76, 77	19, 29	16, 23
Hudspeth County Conservation & Reclamation District No.1	74, 75	19	23

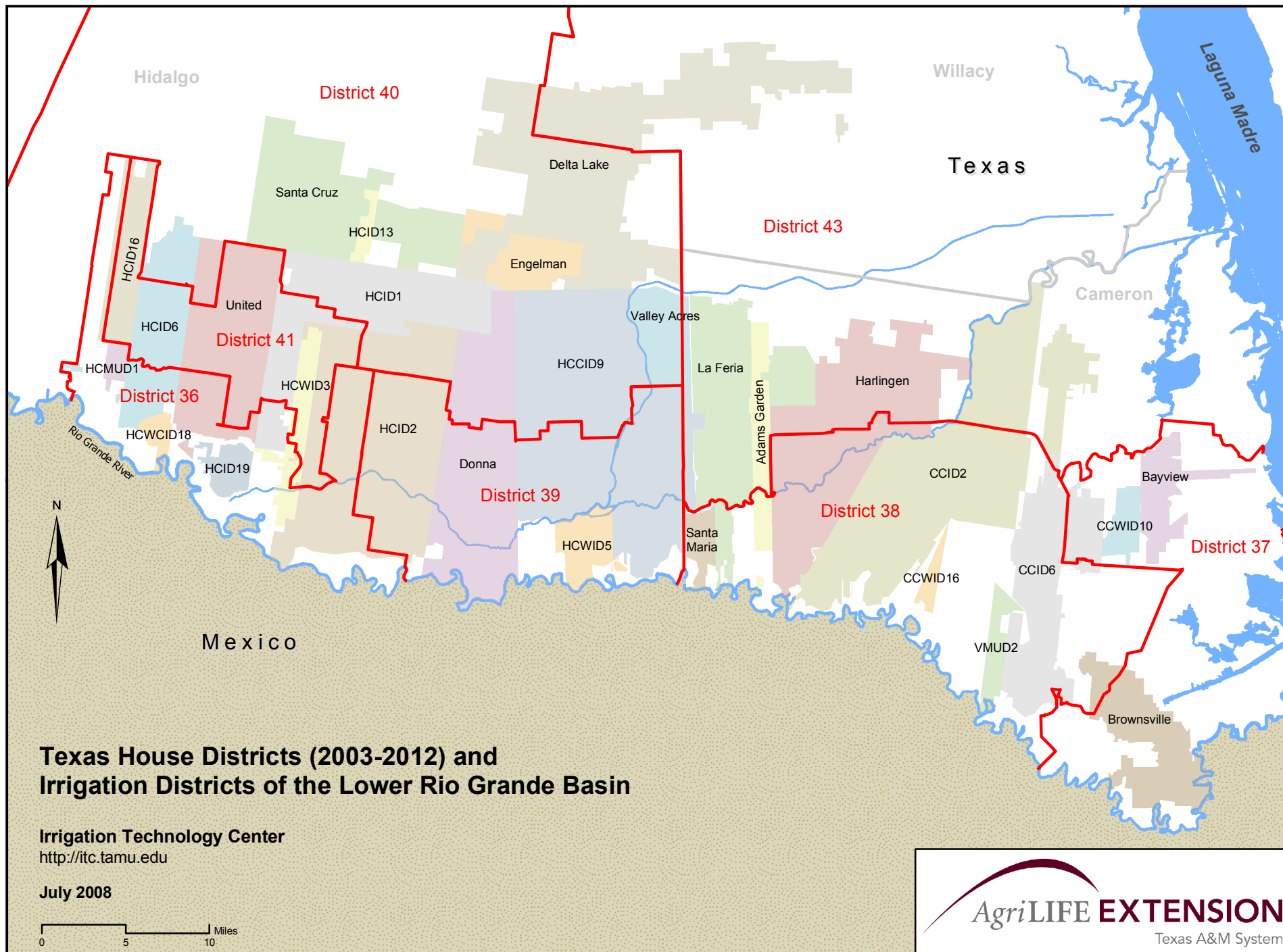
Table 4. Legislative Districts Listed by Region	
Region	Legislative District
<b>US House of Representatives</b>	
Lower Rio Grande Basin	15, 27, 28
Middle Rio Grande Basin	23
Upper Rio Grande Basin	16, 23
<b>Texas House of Representatives</b>	
Lower Rio Grande Basin	36, 37, 38, 39, 40, 41, 43
Middle Rio Grande Basin	74, 80
Upper Rio Grande Basin	74, 75, 76, 77, 78, 79
<b>Texas Senate</b>	
Lower Rio Grande Basin	20, 27
Middle Rio Grande Basin	19
Upper Rio Grande Basin	19, 29



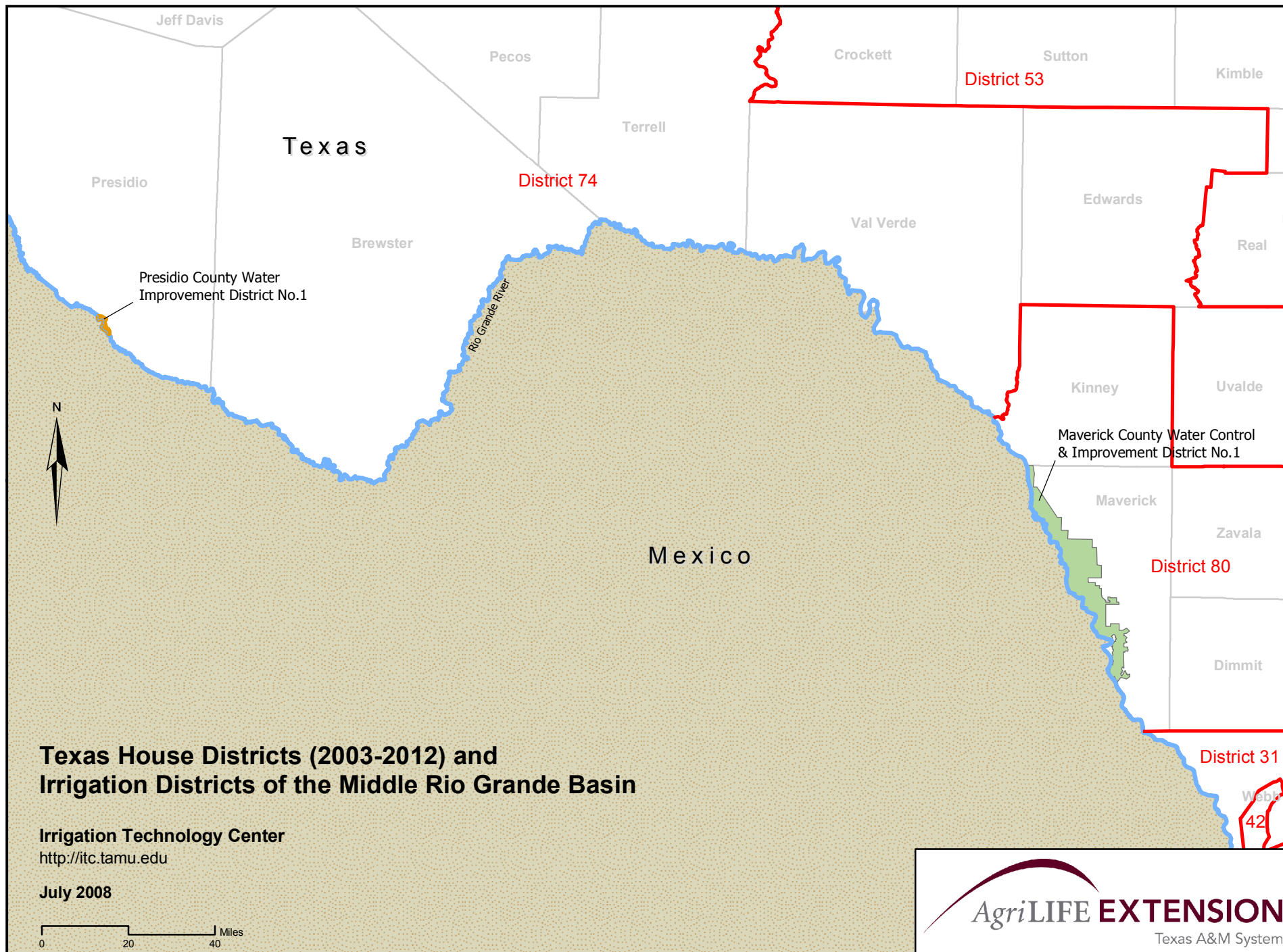


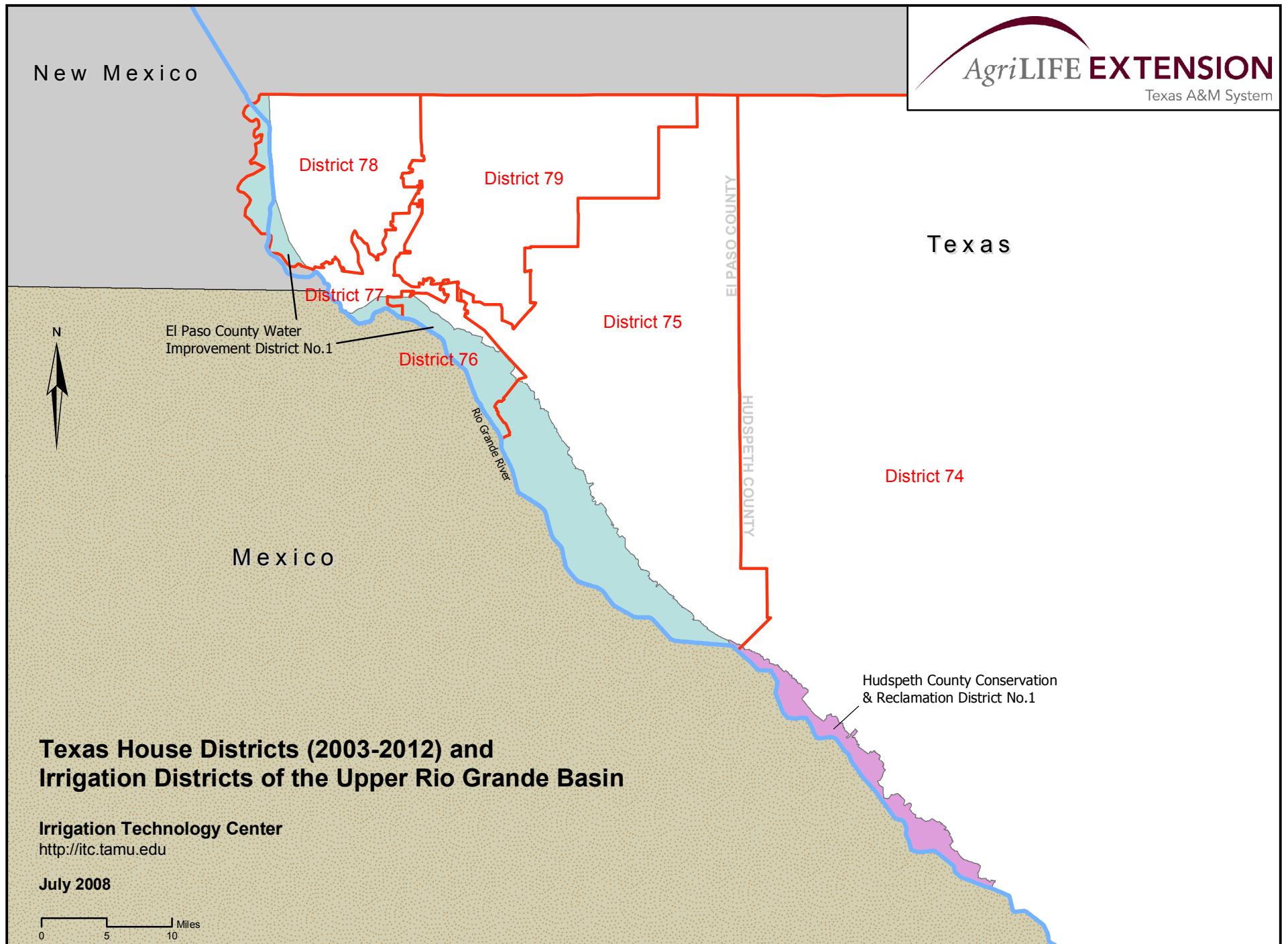


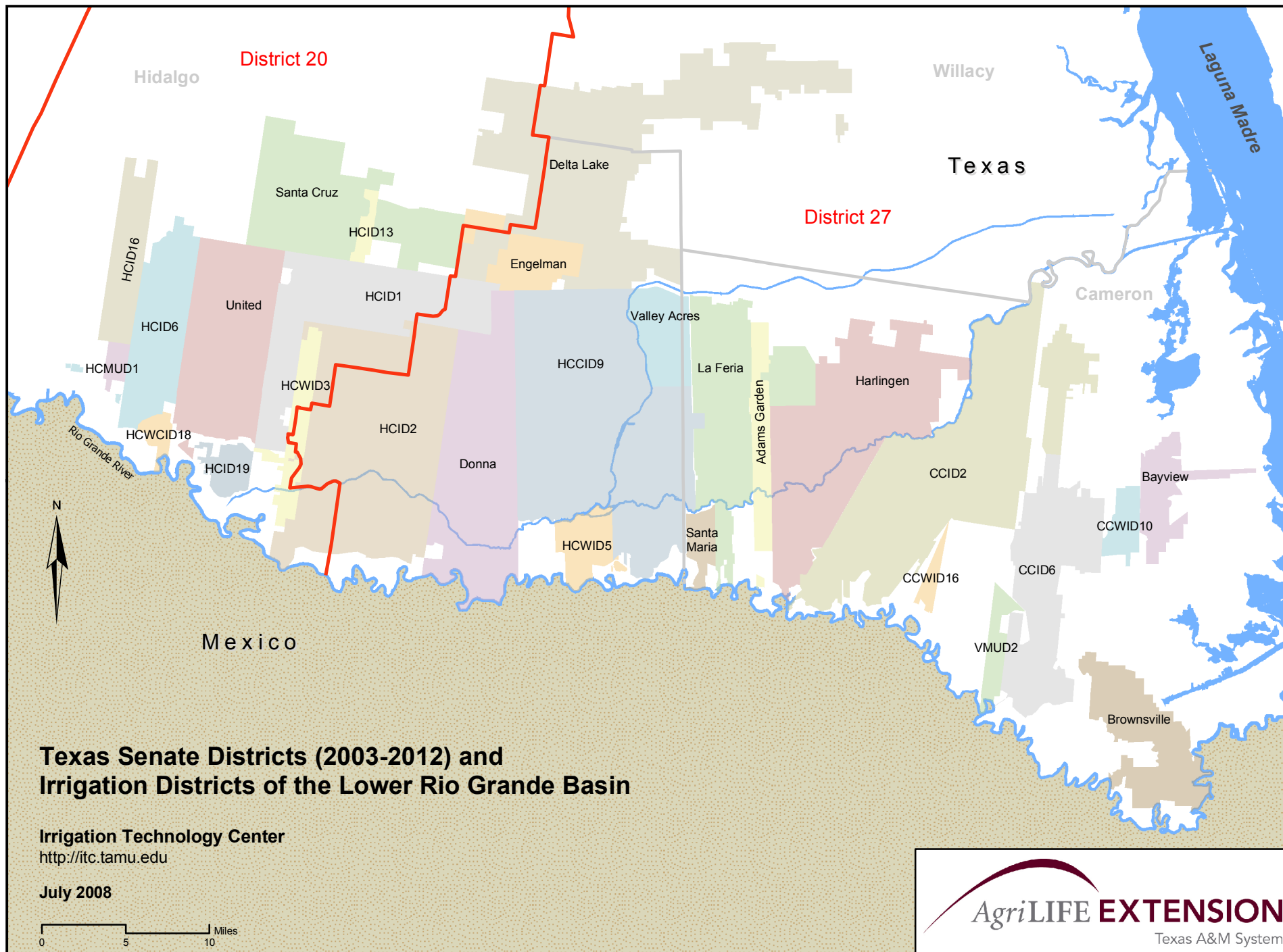


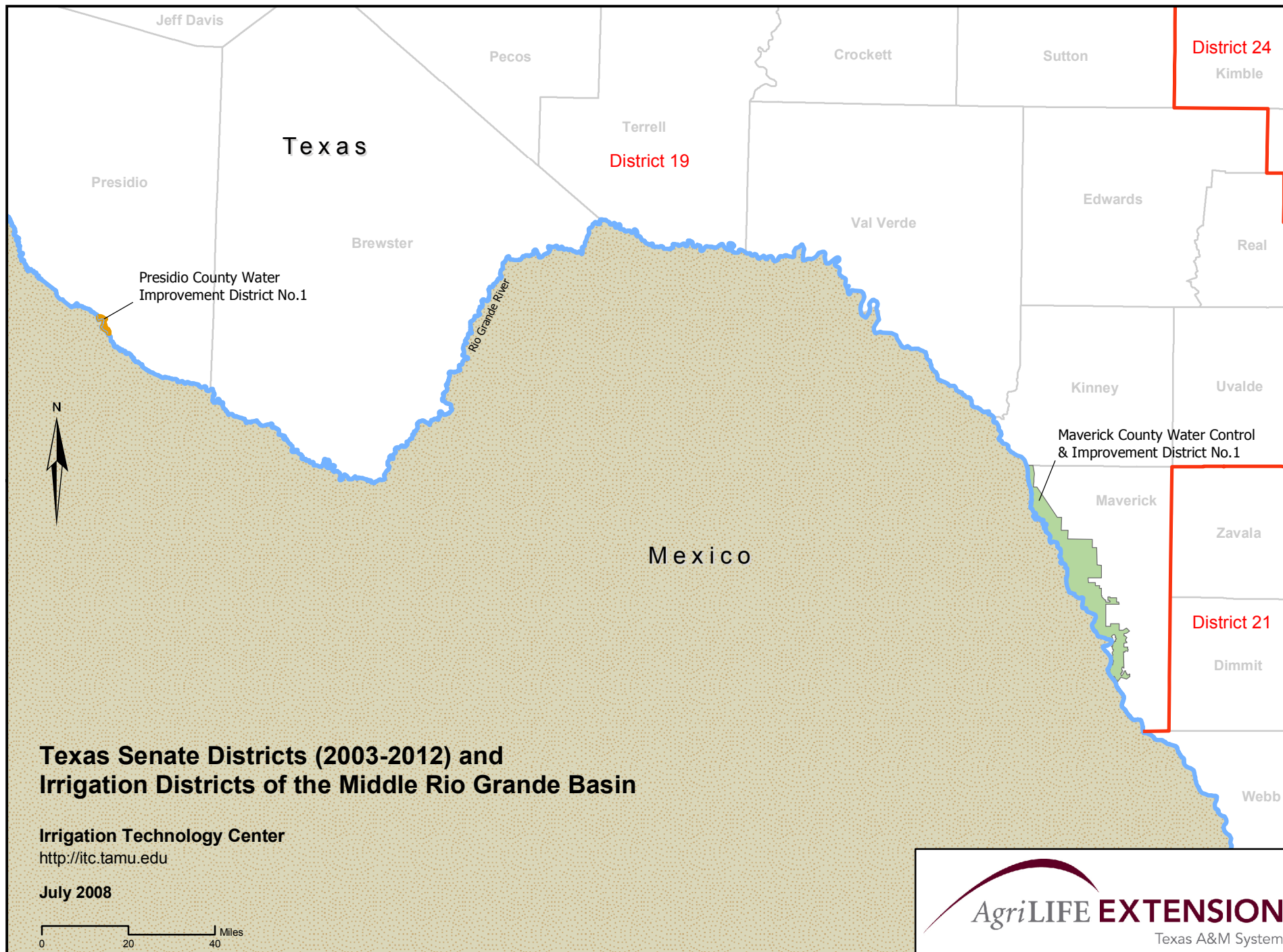




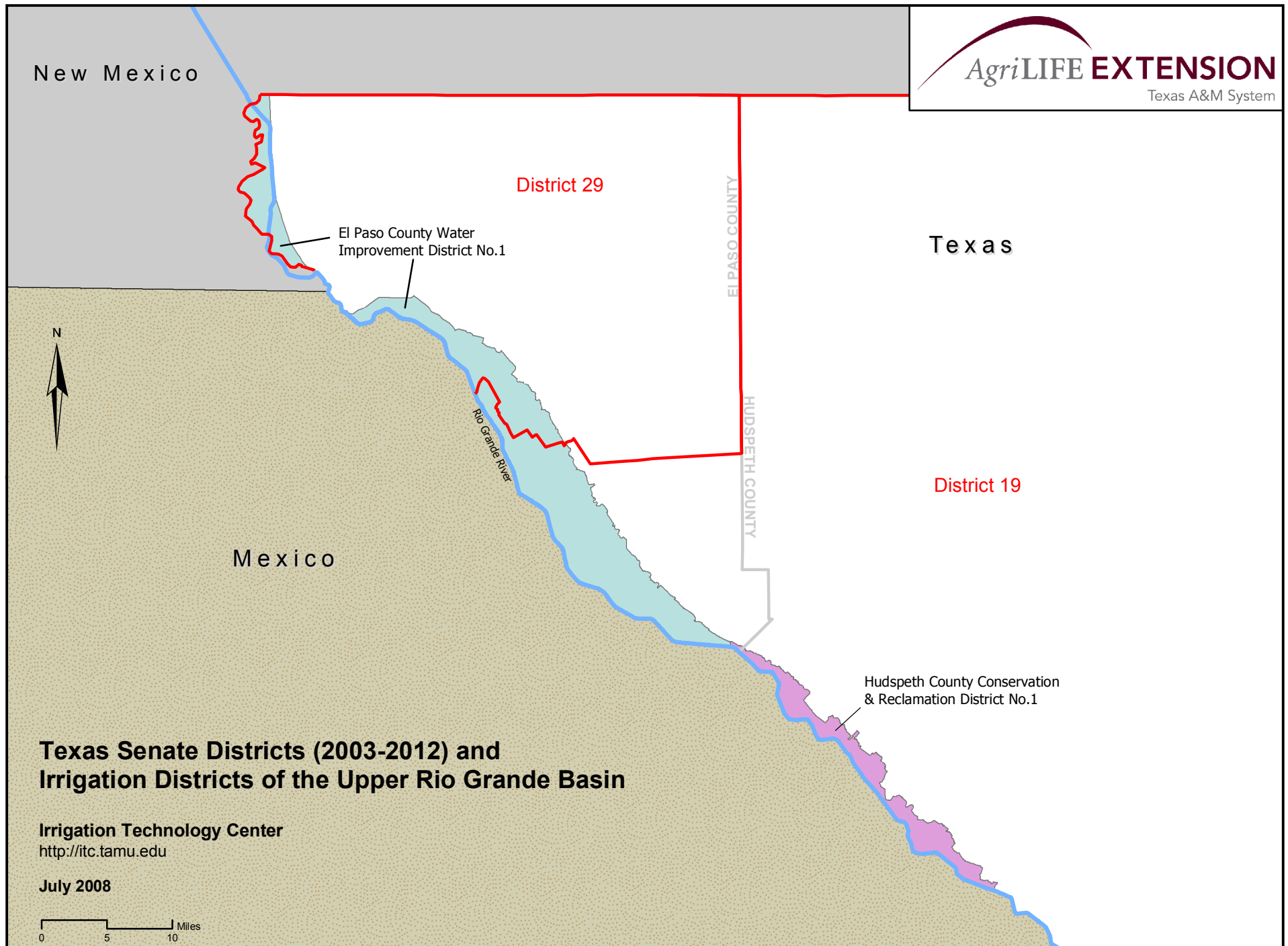












## Texas Senate Districts (2003-2012) and Irrigation Districts of the Upper Rio Grande Basin

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